

WIDE-BANDWIDTH COAXIAL PROBE

ABSTRACT OF THE DISCLOSURE

A coaxial probe for testing of planar electric transmission line structures comprising: a probe
5 mount comprising a coaxial connector; a center electrode mounted on the probe mount and electrically
connected to a center conductor of the coaxial connector, wherein the center conductor may be placed in
contact with a first point on a planar electric transmission line structure to be tested; an outer electrode
mounted on the probe mount and electrically connected to ground, the outer electrode comprising a
10 protrusion to be placed in contact with a second point on the planar electric transmission line structure to
be tested; and a dielectric of non-uniform thickness between the center and the outer electrodes.